Data Sheet

Wireless Barricade Broadband Router SMC7004VWBR V.2

2.4GHz 11 Mbps Wireless Cable/DSL Broadband Router

The Barricade™ 2.4GHz Wireless Cable/DSL Broadband Router is the ideal networking solution for any home and business user that is looking for a simple, all-in-one network product. This platform independent multi-functional router combines a 4-port 10/100 Mbps dualspeed switch with Automatic MDI-MDIX feature, a high speed 11Mbps wireless access point, Stateful Packet Inspection (SPI) firewall security, network management, and Virtual Private Network (VPN) passthrough support into one convenient device.

The high performance Barricade Router offers an integrated Stateful Packet Inspection (SPI) firewall. This firewall provides protection against hacker invasions, such as Denial of Service (DoS) attacks by analyzing individual data packets, as they pass through the Wireless Barricade, to ensure that only authorized packets are allowed access to the network. To control network access, parents, or business owners can block certain websites by entering either a URL address or just a keyword of the website. In addition, this Barricade provides hacker prevention and logging functionalities. For example, when a hacker attempts to access your network, the Barricade can alert you via email so you can take appropriate action.

The Wireless Barricade also includes the 30- day free trial version of ZoneAlarm® Pro Personal Firewall with Web Filtering. In addition to protecting your personal data and ensure your privacy from Internet hackers, this version of ZoneAlarm Pro Personal Firewall with Web Filtering offers cutting-edge features such as improved ad blocking, cookie control, advanced MailSafe e-mail attachment protection, automatic intrusion blocking, pop-up ad control, automatic network detection, and automatic software updates.

The Wireless Barricade provides a 10/100 Mbps WAN port for high-speed integration into your network. Supporting NAT, the Barricade can provide simultaneous Internet access for up to 253 PCs using a single purchased IP address.To manage these connections, it has a built-in DHCP server to auto-assign IP addresses to devices on your network. To install this device, simply place the EZ 3-Click Installation Wizard CD into your CD-ROM drive and in minutes you will be surfing the web. By using the web-based management interface, you can configure this router to handle IP routing and port forwarding through the Virtual Server option. For added management, the router also has a full-featured Access Control option.This integrated feature allows you to filter traffic through your network based on IP address or MAC Address. Other new features supported in the Wireless Barricade are Dynamic DNS and Universal Plug-and-Play.

For wireless connectivity, the Barricade Broadband Router supports up to 11Mbps high-speed wireless connection at data rates of 1, 2, 5.5, and 11Mbps. To secure this wireless connection, the Wireless Barricade supports Wi-Fi Protected Access (WPA)*, disable SSID broadcast,MAC address filtering and 64/128-bit Wired Equivalent Privacy (WEP). This integrated wireless router allows you to connect to your network at distances up to 1,000 feet.

Features and Benefits

High Performance & Functionality

- EZ 3-Click Installation Wizard
- User-friendly Web-based management
- Connects to a Cable/xDSL modem
- Simultaneous Internet access for up to 253 PCs on the LAN using only one IP address
- Built-in Stateful Packet Inspection (SPI) firewall security
- 4-port Auto-MDI-MDIX 10/100 Mbps switch versatility plus 1 10/100 Mbps port for WAN connection
- High Speed wireless operation at 1, 2, 5.5, 11Mbps
- Robust security features include Wi-Fi Protected Access (WPA)*, 64-bit/128-bit WEP encryption, disable SSID broadcast and MAC address filtering
- URL blocking to limit access to certain websites by entering a full URL address or a keyword of the website
- Access control based on IP address filtering,MAC address filtering, date and time of the day.
- Hacker prevention and logging capability with email alerts prevent common hacker attacks

Capatibility

- Platform independent – works with PC or Mac
- IEEE 802.3, 802.3u, and 802.11b

Product	Model No	Description
Wireless Barricade Broadband Router	SMC7004VWBR V.2	Wireless Cable/DSL Broadband Router with 11Mbps Wireless Access Point, 4-port 10/100Mbps switch, integrated Firewall

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SMC® Networks

Specifications

Ports
- Four 10Base-T/100Base-TX RJ-45 LAN Ports
- One 10Base-T/100Base-TX Broadband WAN Port

Internet Sharing Methods
- Static IP
- Dynamic IP
- PPPoE
- Support DynDSN.org as dynamic DNS service
- PPtP Internet sharing protocol

Protocols
- TCP/IP, PPTP/L2TP/IPSec Passthrough (VPN)
- DNS
- SNTP
- NAT
- DHCP
- HTTP
- HTML
- PPP Internet Control Protocol
- PPP Authentication Protocol
- Point-to-Point Protocol

Cabling Type
- 10Base-T: UTP/STP Category 3 or 5
- 100Base-TX: UTP/STP Category 5 or better

Speed
- WAN Router: 10/100 Mbps (10Base-T/100Base-TX)
- LAN: 10Mbps (10Base-T) or 100Mbps (100Base-TX)

LEDs
- Power
- WAN
- WLAN
- Link/Activity
- Speed

NAT Router - Ethernet Interface
- IP, PPPoE

Wireless
- IEEE 802.11b for Wireless LAN
- 11, 5.5, 2,1 Mbps data rate per channel, Auto Fallback
- 2.4-2.4835 GHz, Direct Sequence Spread Spectrum
- 350m (Distance performance may be effected by variables such as barrier composition and local environment interference)
- 2 External Antennas

Security
- Disable SSID Broadcast
- MAC Address Filtering
- Wi-Fi Protected Access*
- 64-bit/128-bit WEP

Frequency
- 2.4-2.4835 GHz for US, Canada and ETSI
- 2.471-2.497GHz for Japan

Modulation Type
- CCK, BPSK, QPSK

Operating Channels
- 11 Channels (US, Canada)
- 13 Channels (ETSI)
- 14 Channels (Japan)

Output Power
- >+15dBm, typical 17dBm

Receive sensitivity
- -80dBm for 11Mbps, 8% @ BER 1E-5
- -83dBm for 5.5Mbps, 8% @ BER 1E-5
- -88dBm for 2Mbps, 8% @ BER 1E-5
- -90dBm for 1Mbps, 8% @ BER 1E-5

Configuration and Management
- Web-based

Maximum Users
- NAT: 253 PCs

Features
- DHCP Client/Server, NAT Firewall, IPSec/ L2TP/PPTP VPN Passthrough, Hacker Attack Prevention and Logging, email alert, Dynamic DNS, Universal Plug- and Play

Upgrade Method
- Web

Standards
- 802.11b
- 802.3
- 802.3u
- RFC

Certification
- FCC Class B
- VCCI Class B
- Industry Canada Class B
- EN55022 (CISPR 22) Class B
- C-Tick - AS/NZS 3548 (1995) Class B
- CE Mark
- ETSI 300.328
- MPT RCR STD33
- IEC 1000-4-2/3/4/6
- CSA
- UL
- EN60950 (TUV)

Size
- 21.6 x 13.1 x 2.5 cm

Weight
- 500g

Power
- 9V, 1A

Temperature
- 0°C ~ 40°C in operating
- -25°C ~ 60°C in storage

Humidity
- 15%~95% (non-condensing)

Warranty
- Limited lifetime

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Limited Lifetime Warranty 5 Years

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